

I/WE CLAIM:

1 1. A rotatable entertainment device comprising:
2 a mobile arm rotatably coupled to the entertainment device; and
3 a motion conversion device coupled to the entertainment device and the mobile arm to
4 convert an oscillatory motion of the entertainment device into a rotational motion of the
5 mobile arm.

1 2. The entertainment device of claim 1, further comprising:
2 a mounting member to secure the entertainment device to an oscillating product;
3 wherein, upon securing the mounting member to the oscillating product, the
4 oscillating product conveys oscillatory motion to the entertainment device.

1 3. The entertainment device of claim 2, wherein the mounting member includes
2 at least one fastener to connect the entertainment device to the oscillating product.

1 4. The entertainment device of claim 2, wherein the motion conversion device
2 includes a gear assembly coupled to the mobile arm and the mounting member, the gear
3 assembly effecting rotational motion of the mobile arm in a single direction with respect to
4 the mounting member in response to oscillatory motion of the entertainment device.

1 5. The entertainment device of claim 4, wherein the motion conversion device
2 further includes a weighted gear housing that rotates in response to oscillatory motion of the
3 entertainment device such that rotational motion of the gear housing control operation of the
4 gear assembly to effect rotational motion of the mobile arm.

1 6. The entertainment device of claim 5, wherein the gear assembly includes a
2 ratchet gear coupled to the mobile arm and a driving pawl that is secured to and rotates with
3 the gear housing and releasably engages the ratchet gear to effect rotational motion of the
4 ratchet gear and the mobile arm.

1 7. The entertainment device of claim 6, wherein the gear assembly further
2 includes a second pawl to prevent the gear assembly from rotating the mobile arm in a
3 direction opposite the single rotational direction.

1 8. The entertainment device of claim 7, wherein the driving pawl and the second
2 pawl move in opposing directions with respect to each other during oscillatory motion of the
3 entertainment device.

1 9. The entertainment device of claim 4, further comprising:
2 a clutch releasably coupling the mobile arm with the gear assembly to disengage the
3 mobile arm from the gear assembly upon application of a force to the mobile arm that
4 opposes rotational motion of the mobile arm in the single direction.

1 10. The entertainment device of claim 1, wherein the mobile arm includes at least
2 one object secured along the mobile arm.

1 11. The entertainment device of claim 10, wherein the mobile arm includes a first
2 object secured proximate a first terminal end of the mobile arm and a second object secured
3 proximate a second terminal end of the mobile arm.

1 12. The entertainment device of claim 11, wherein the first object is heavier than
2 the second object.

1 13. An oscillating product including the entertainment device of claim 1, wherein
2 the oscillating product includes a portion for receiving a person.

1 14. The oscillating product of claim 13, wherein the oscillating product comprises
2 a swing.

1 15. A method of rotating a mobile arm rotatably coupled to an entertainment
2 device, comprising the steps of:
3 imparting oscillatory movement to the entertainment device; and
4 providing a motion conversion device coupled to the entertainment device and the
5 mobile arm to convert the oscillatory motion of the entertainment device to rotational motion
6 of the mobile arm.

1 16. The method of claim 15, further comprising the step of:
2 mounting the entertainment device to an oscillating product via a mounting member;

3 wherein oscillatory movement is imparted to the entertainment device by the
4 oscillating product and the oscillating product includes a portion for receiving a person.

1 17. The method of claim 16, wherein the oscillating product comprises a swing.

1 18. The method of claim 15, wherein the motion conversion device includes a
2 gear assembly that is coupled to the mobile arm to effect rotational motion of the mobile arm
3 in a single direction with respect to the entertainment device in response to oscillatory motion
4 of the entertainment device.

1 19. The method of claim 18, further comprising the step of:
2 providing a weighted gear housing that rotates in response to oscillatory motion of the
3 entertainment device;
4 wherein rotational motion of the gear housing controls operation of the gear assembly
5 to effect rotational motion of the mobile arm.

1 20. The method of claim 19, wherein the gear assembly includes a ratchet gear
2 coupled to the mobile arm and a driving pawl that rotates with the gear housing and
3 releasably engages with the ratchet gear to effect rotational motion of the ratchet gear and the
4 mobile arm.

1 21. The method of claim 20, wherein the gear assembly further includes a second
2 pawl to prevent the gear assembly from rotating the mobile arm in a direction opposite the
3 single rotational direction.

1 22. The method of claim 18, further comprising the step of:
2 providing a clutch to releasably couple the mobile arm with the gear assembly to
3 facilitate a disengagement of the mobile arm from the gear assembly upon application of a
4 force to the mobile arm that opposes rotational motion of the mobile arm in the single
5 direction.

1 23. The method of claim 15, further comprising the step of:
2 providing a first object secured proximate a first terminal end of the mobile arm and a
3 second object secured proximate a second terminal end of the mobile arm.

- 1 24. The method of claim 23, wherein the first object is heavier than the second
2 object.